RESOUNDIFY

VC-AUTO2 (DANTE)

4K Integrated HD teaching tracking camera

PRODUCT OVERVIEW

The **Resoundify VC-AUTO2 (DANTE)** is an advanced recording device tailored for corporate business meetings, remote training, distance learning, and educational recordings. With its dual-lens design featuring panoramic and close-up views, it captures the entire space with clarity while precisely focusing on specific subjects. Equipped with technologies such as participant framing, intelligent tracking, and smart directing algorithms, it creates a lifelike and smooth onsite experience, significantly enhancing communication efficiency to meet various application needs in different scenarios.

KEY FEATURES

- **Dual Lenses Integrated Design :** Featuring a unified design with both panoramic and close-up lenses, the panoramic lens boasts an effective pixel count of 4.93 million, while the close-up lens reaches an impressive 8.29 million effective pixels. This design ensures comprehensive coverage of the entire classroom while delivering high-definition close-up images. With a dual-lens integrated design, the panoramic lens achieves an effective pixel count of 8.29 million, and the close-up lens reaches 4.93 million effective pixels.

- **Ultra-clear Experience Double the Excitement** : Available in both teacher and student models, equipped with panoramic and close-up lenses utilizing 1/2.7" 4K high quality CMOS for clear and detailed imagery. The teacher's panoramic lens offers a 43° field of view, while the close-up lens provides a 26° field of view. The student model's panoramic lens boasts a 110° field of view, and the close-up lens provides a 43° field of view, ensuring crystal-clear close-up shots with a wide perspective.

- **AI Assistance, Eliminating Manual Effort** : Intelligent Teaching Tracking The education camera features advanced image recognition and tracking algorithms, eliminating the need for additional positioning devices. It effortlessly tracks and captures teachers or students, ensuring no teaching details are missed. It can simultaneously output multiple streams, including up to 5M panoramic views and 4K close-up shots. Smart Directing Supports both external and built-in directing options to meet the diverse needs of recording hosts and interactive terminals. Pairing teacher and student units allows for multi-angle directing output via network or USB interfaces.

APPLICATIONS

- Boardrooms
- Classrooms
- Auditorium

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TECHNICAL SPECIFICATIONS

Camera Specifications of Close-up

Sensor	Educational Camera: 1/2.7", CMOS, Effective pixel:8.29Megapixels Conference Camera: 1/2.7", CMOS, Effective pixel:4.93Megapixels
Scanning Mode	Progressive
Type of Lens Mount	M12
Student Close -up Lens	f=7.37mm, Horizontal FOV: 43°
Teacher Close -up Lens	f=12.49mm, Horizontal FOV: 26°
Conference Close -up Lens	f=7.37mm, Horizontal FOV: 43°
Digital Zoom	2×
Minimum Illumination	0.5 Lux
Shutter	1/30s 〜 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Digital Noise Reduction	2D&3D Digital Noise Reduction
Backlight Compensation	Support
Pan Angle	±40°
Tilt Angle	+5°〜 -30°
Maximum Rotation Speed	Student Camera :Pan Speed 60° /s, Tilt Speed 30° /s Teacher Camera :Pan Speed 30° /s, Tilt Speed 30° /s Conference Camera : Pan Speed 30° /s, Tilt Speed30° /s
Image Flip	Support
Image Freeze	Support
Preset Position	255
Preset Accuracy	0.5°

Camera Specifications Panoramic Camera

Sensor	Educational Camera:1/2.7", CMOS, Effective pixel:4.93Megapixels Conference Camera:1/2.7", CMOS, Effective pixel:8.29Megapixels
Scanning Mode	Progressive
Type of Lens Mount	M12
Student Panoramic lens	f=2.2mm, Horizontal FOV: 110°
Teacher Panoramic lens	f=7.37mm, Horizontal FOV: 43°
Conference Panoramic Lens	f=2.8mm, Horizontal FOV: 95°
Minimum Illumination	0.5 Lux ; 0.5 Lux (Teacher Panoramic Camera）; 0.5 Lux (Panoramic Conference Camera）
Shutter	1/30s 〜 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Digital Noise Reduction	2D&3D Digital Noise Reduction

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TECHNICAL SPECIFICATIONS

Camera Specifications
Panoramic Camera

Backlight Compensation	Support
Tilt Angle	+0°～ -24°
Image Flip	Support
Image Freeze	Support

Audio Specifications

Built –in Array Microphone	4 Microphone array1, 100Hz to 16kHz frequency response
Simulation Audio Input	1 x LINE In
Simulation Audio Output	1 x LINE Out
Digital Audio Interface	1 x USB audio input output; 1 x SDI audio output[2]; 1 x network audio input output, supports 1588 -based audio clock synchronization

USB Specifications

Operating System Supported	Windows® 7 (Only support 1080P and below), Windows 8.1 and above version ； macOS ™ 10.10 and above version； Google ™ Chromebook ™ Version 29.0.1547.70 and above version； Linux (Need to support UVC)
Hardware Requirements	2.4 GHz Intel® Core 2 DUO processor or higher; 2 GB memory or higher; USB 3.0 or USB 2.0 interface
Color System /Compression	YUY2 / MJPEG / H.264
Video Format	Maximum 4K and other different frame rates and resolution video formats
USB Video Communication Protocol	UVC 1.1
USB Audio	The maximum 48K sampling rate, supports UAC1.0
UVC PTZ Control	Support

Interface Specifications

USB Interfaces	1 x USB 3.0: TYPE-C
HD Interfaces	1 x SDI[2]， Support 1080P60， Support PoC[1]
Network Interface	1 x RJ45: 10M / 100M adaptive Ethernet; PoE(802.3af), Support NDI1
Audio Interface	1 x LINE In: 3.5mm 1 x LINE Out: 3.5mm
Power Interface	DC005 type (DC 12V）
Reset Button	RESET
Infrared Interface1	Support
Indicator Light	POWER ,STANDBY

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TECHNICAL SPECIFICATIONS

Network Specifications

Video Compression	H.265 / H.264 / MJPEG
Video Stream	First Stream, Second Stream, Third Stream, Fourth Stream
First Stream Resolution	3840x2160, 1920x1080,1280x720 etc.
Second Stream Resolution	2880x1620, 1920x1080,1920x1080 etc.
Third Stream Resolution	1920X1080,1280x720,1024x576,960x540 etc.
Fourth Stream Resolution	1920x1080,1280x720,1024x576,960x540 etc.
Video Bit Rate	32Kbps ~ 16384Kbps
Bit Rate Control	VBR, CBR
Frame Rate	25/30fps
Audio Compression	AAC/G.711A
Audio Bit Rate	96Kbps、128Kbps、256Kbps
Protocols	TCP/IP, HTTP,HTTPS,NDI,SRT,RTSP, RTMP, Onvif, DHCP, GB/T 28181. Multicast etc.

General Specifications

Input Voltage	DC 12V/PoE (802.3af)/ PoC²
Input Current	1A（Max.）
Operating Temperature	0° C ~ 40° C
Storage Temperature	-40° C ~ 60° C
Power Consumption	12W（Max.）
Dimension	242.05mm (W) × 86.03mm (D) × 70.55mm (H)
Net Weight	TBD
No Failure Time	30000h

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